

ABSTRACT OF THE DISCLOSURE

There is provided an apparatus having at least one LED capable of emitting near ultraviolet or ultraviolet radiation to excite a luminescent material for non-destructive fault testing. The radiation may also be focused using a lens. There is also provided a method for detecting a fault in a body, comprising the steps of applying a luminescent material to the body in a manner to concentrate the luminescent material in a pattern indicative of the location of a fault in the body; activating an LED to emit ultraviolet radiation; shining the radiation transmitted from the LED onto the body to excite the luminescent material; and detecting a fault by the fluorescence of the luminescent material indicative of the location of the fault in the body.

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